

Title (en)

PROCESS OF ASSEMBLING WIND ROTOR BLADE SEGMENTS BY MEANS OF STRUCTURAL ELEMENTS

Title (de)

VERFAHREN ZUR MONTAGE VON WINDROTORSCHAUFELSEGMENTEN MITTELS STRUKTURELLEN ELEMENTEN

Title (fr)

PROCÉDÉ D'ASSEMBLAGE DE SEGMENTS DE PALE DE ROTOR D'ÉOLIENNE PAR L'INTERMÉDIAIRE D'ÉLÉMENTS STRUCTURAUX

Publication

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Application

EP 19790341 A 20190731

Priority

- US 201816054355 A 20180803
- US 2019044349 W 20190731

Abstract (en)

[origin: US2020040868A1] A method for joining rotor blade segments of a rotor blade includes forming a female structural member having a receipt portion with a cavity and a structural portion. Further, the method includes securing the female structural member within a first blade segment. The method also includes forming a male structural member having a protrusion portion and a structural portion. Moreover, the method includes securing the structural portion of the male structural member within a second blade segment. In addition, the method includes inserting the protrusion portion into the cavity. As such, when inserted, an interface of the protrusion portion and the cavity forms one or more internal channels. Thus, the method further includes injecting adhesive into the one or more internal channels so as to secure the first and second blade segments together.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020028496A1

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